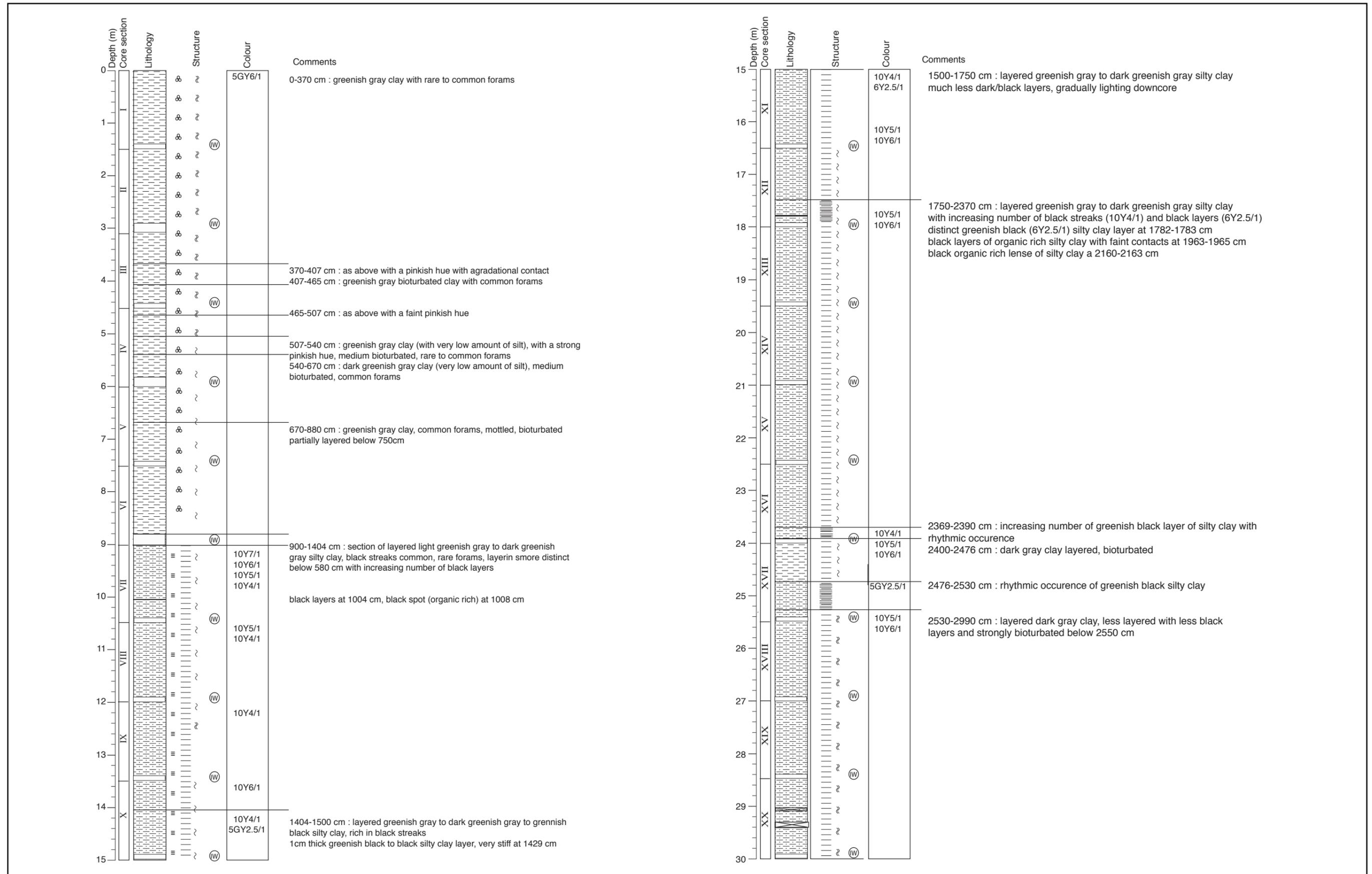
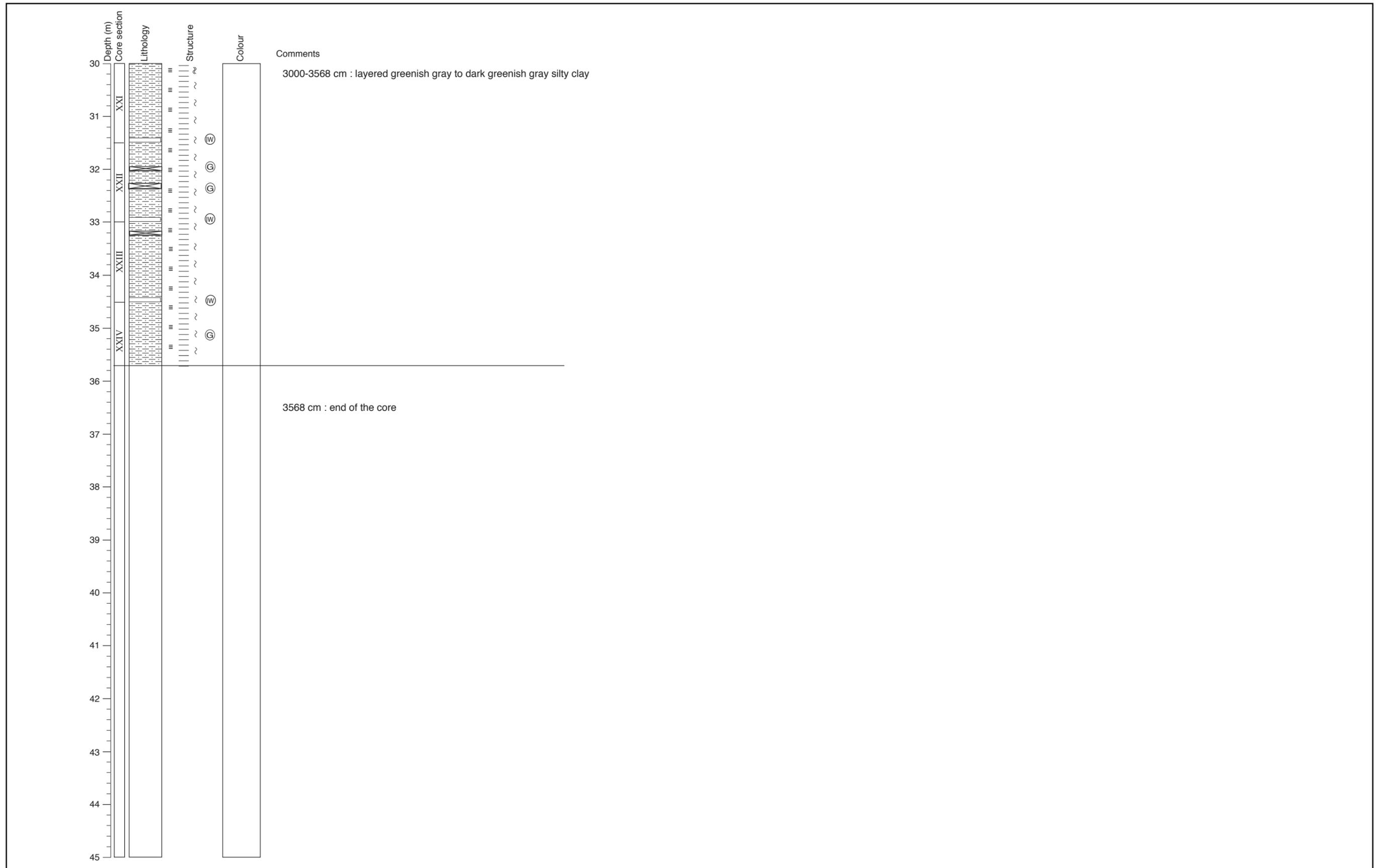
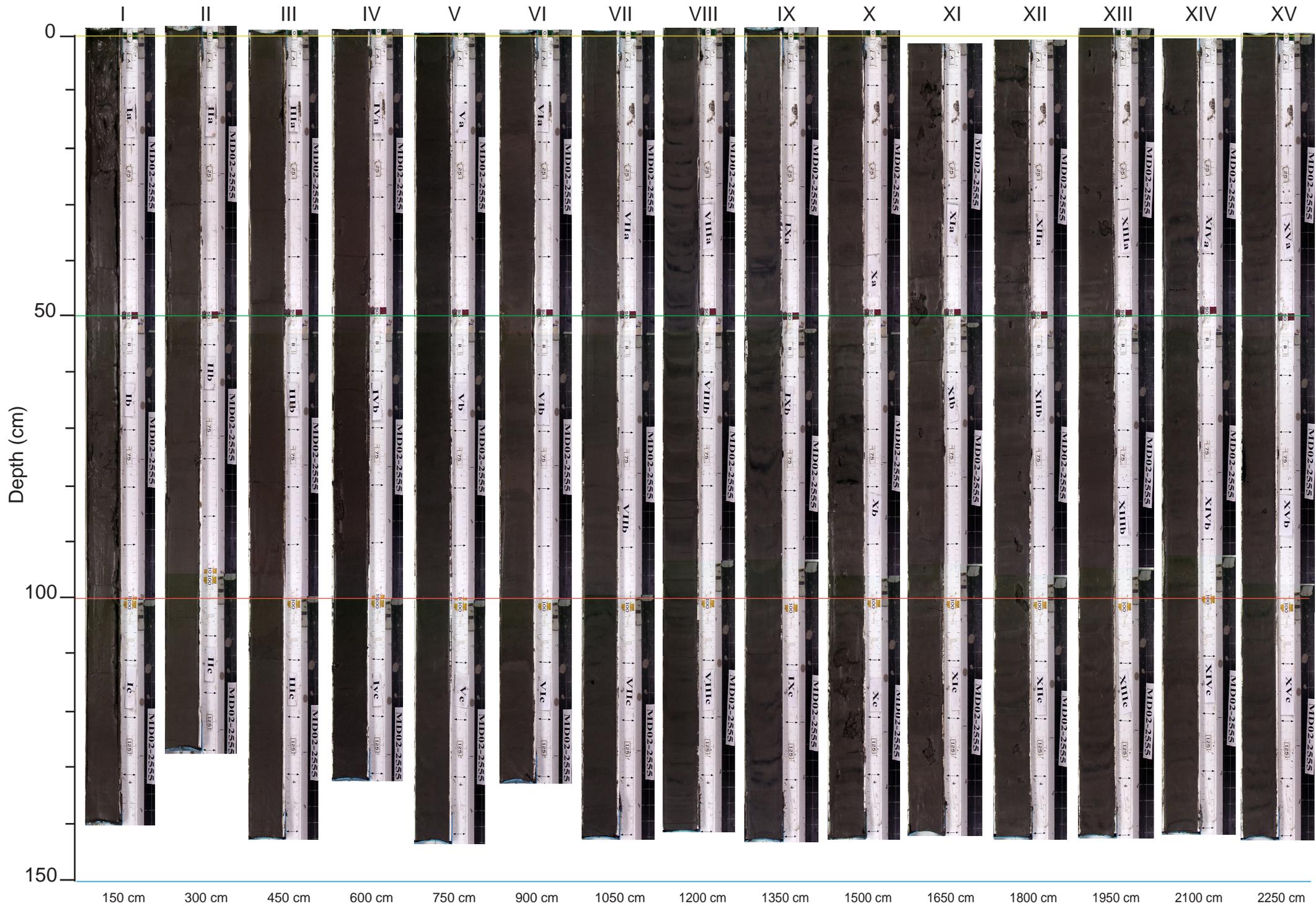


**Core description**

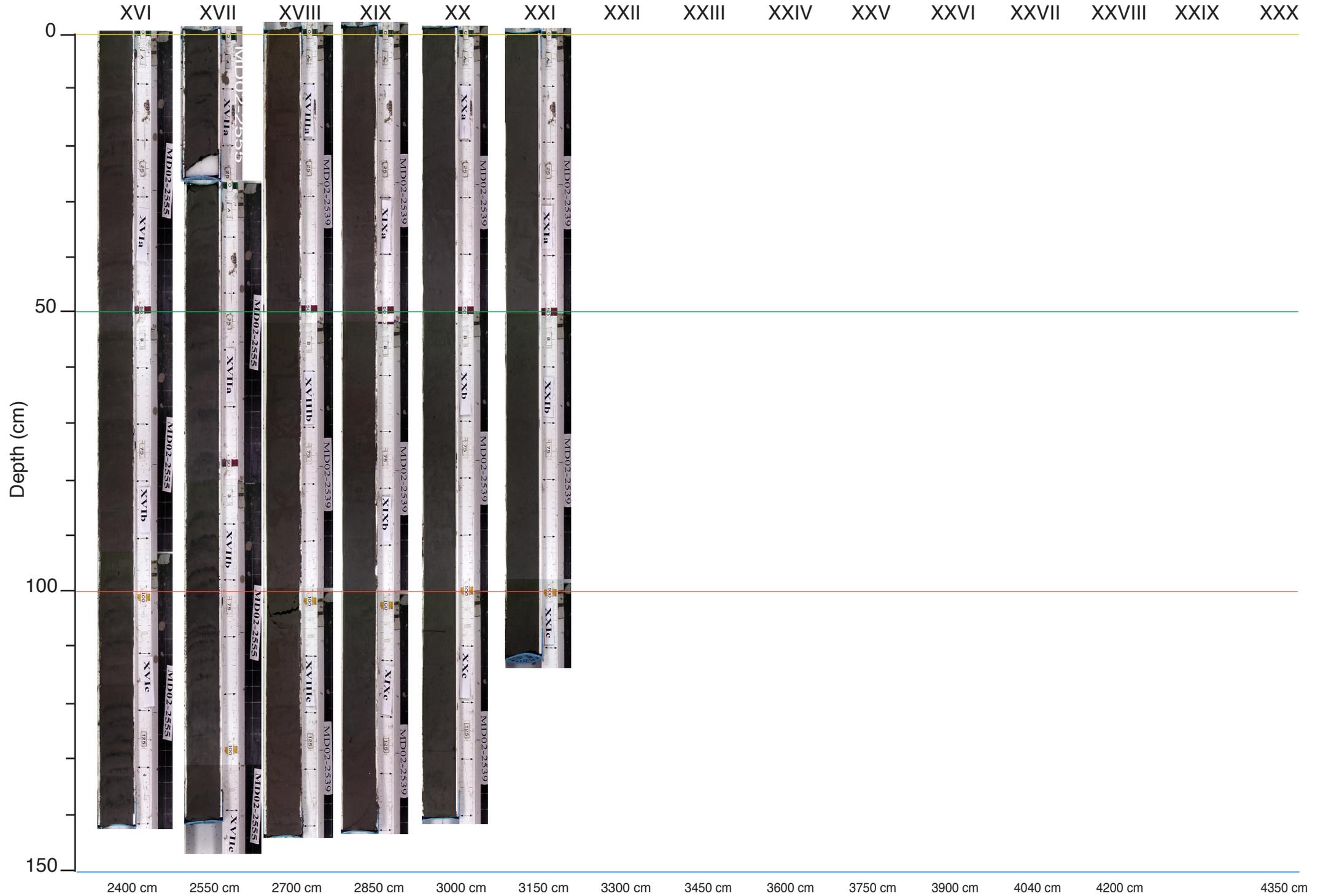




# MD02-2555 (sections I to XV)



# MD02-2555 (sections XVI to XXI)



Day: 09/07/02  
Latitude: 27°46.99 N  
Water depth: 636 m

GMT time: 22:17  
Longitude: 91°29.35 W  
Location: Bush Hill Basin

Core number: **MD02-2555**

Corer type: Calypso cores  
Corer length: 44.85 m  
Core length: 35.68 m

### **Observations**

#### *Corer condition:*

Broken traction belt on the winch, core stuck at bottom back to extraction.  
Slightly bent

#### *Core condition:*

### **Sections and Sampling**

#### *Number of sections recovered and conditions:*

24 sections of 1.5m were recovered; the last section measures 118 cm; a section of 10 cm was taken at the base of every 1.5 m section

#### *Onboard sampling and post cruise processing:*

- X-ray microtomography will be processed post cruise from 1370 cm to the end of the core
- Both the working and archive halves will be stored at Texas A&M University.
- Several bags were recovered : 1 core catcher, one core top
- the 10 cm sections were taken for pore water analysis, ( microbiology, and SO<sub>4</sub><sup>-</sup>, Cl<sup>-</sup>, CH<sub>4</sub>, <sup>14</sup>C, DIC) (MBARI, Univ.Tokyo)
- MST magnetic susceptibility, gamma ray attenuation and p-wave measurements were made downcore, at a resolution of 2 cm. Colour measurements were taken every 2 cm.
- USGS core measurements and activities : Elec. Resist ; Vane Shear , water content, (USGS-WH), Headspace Gas (USGS-Menlo Park), Thermal conductivity (Univ.Victoria), structure (ODM, PNNL)

### **Summary of physical and sedimentological observations**

*Dominant lithologies:* 0-900 cm greenish gray bioturbated clay with common foraminifers.  
900-3568 cm light to dark greenis gray layered clay with bioturbation.

*Minor lithologies:* Silty, organic-rich layers at 1963-1965 and 2160-2163 cm